

CLAIMS

1. A method of generating a compressed video stream, comprising:
5 providing a plurality of display commands which represents a display;
generating a plurality of quantized transform coefficients from said display commands,
wherein said quantization is different for different display commands; and
creating a compressed video stream utilizing said coefficients.
- 10 2. A method according to claim 1, wherein said generating comprises looking up
coefficients in a table.
3. A method according to claim 1, wherein said generating comprises calculating
coefficients.
- 15 4. A method according to claim 1, comprising determining a display requirement and
wherein said quantization is responsive to said determination.
5. A method according to claim 1, wherein said coefficients are generated quantized.
- 20 6. A method according to claim 1, wherein said coefficients are generated unquantized and
comprising quantizing said generated coefficients.
7. A method according to claim 6, wherein said coefficients are quantized separately for
25 different commands.
8. A method according to claim 6, wherein said coefficients are quantized separately for
different image blocks.
- 30 9. A method according to claim 6, wherein said coefficients for an entire image are
quantized together.

10. A method according to any of claims 6-9, wherein said quantization is responsive to a desired bandwidth of said stream.
11. A method according to any of claims 6-9, wherein said quantization is responsive to a desired quality of said stream.
12. A method according to any of claims 1-9, wherein said coefficients are quantized differently responsive to an identification of the command type.
13. A method according to any of claims 1-9, wherein said coefficients are quantized differently responsive to a display content generated by said command.
14. A method according to any of claims 1-9, wherein said coefficients are quantized differently responsive to a spatial effect of said command.
15. A method according to any of claims 1-9, wherein said coefficients are quantized differently, responsive to a frequency to which said coefficient corresponds.
16. A method according to any of claims 1-9, wherein said commands are provided and coefficients generated sequentially for individual commands.
17. A method according to any of claims 1-9, wherein said commands are provided and coefficients generated on a block-by-block basis.
18. A method according to any of claims 1-9, wherein said commands are provided and coefficients generated on a frame-by-frame basis.
19. A method according to any of claims 1-9, comprising varying said generation between corresponding commands on consecutive frames.
20. A method according to claim 19, wherein said varying comprises generating a different effective refresh rate for different commands.

21. A method according to any of claims 1-9, comprising preprocessing at least one of said commands prior to said generation.
22. A method according to claim 21, wherein said preprocessing interacts with said generation to require achieving a lower bit-rate for said command.
23. A method according to claim 21, wherein said preprocessing interacts with said generation to counteract visibility reducing effects of said generation.
24. A method according to claim 21, wherein said preprocessing interacts with said generation to increase a visibility of an effect of a command.
25. A method according to any of claims 1-9, wherein providing said display commands comprises providing a plurality of sets of display commands, each corresponding to a different compressed stream.
26. A method according to claim 25, wherein a same display command is compressed differently for the different sets.
27. A method according to any of claims 1-9, wherein said plurality of display commands corresponds to an Internet browser display.
28. A method according to any of claims 1-9, wherein creating said compressed video stream comprises creating a stream including both an effect of said commands and at least a portion of an additionally provided compressed video stream.
29. A method according to any of claims 1-9, wherein a text display command is quantizer using a finer quantization than a graphics command.
30. A method of generating a compressed video stream, comprising:
providing a plurality of display commands which represents a display;
setting at least one compression parameter to different values for different ones of said display commands; and

creating a compressed video stream from said commands utilizing said at least one compression parameter.

5 31. A method according to claim 30, wherein said at least one compression parameter comprises a spatial quantization parameter.

32. A method according to any of claims 30-31, wherein said at least one compression parameter comprises a refresh rate.

10 33. A method according to any of claims 30-31, wherein said at least one compression parameter comprises a spectral quantization parameter.

34. A method according to any of claims 30-31, wherein said at least one compression parameter comprises an intensity quantization parameter.

15 35. A method according to any of claims 1-9 or 30-31, comprising broadcasting said generated video stream to a plurality of users, using a compressed video transport stream.

Add a 17